

Use Attainability Analysis

for

WBID 1291 Wade Creek

Submitted by

Missouri Department of Natural Resources Staff

To

Missouri Department of Natural Resources
Water Protection Program

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet A - Water Body Identification

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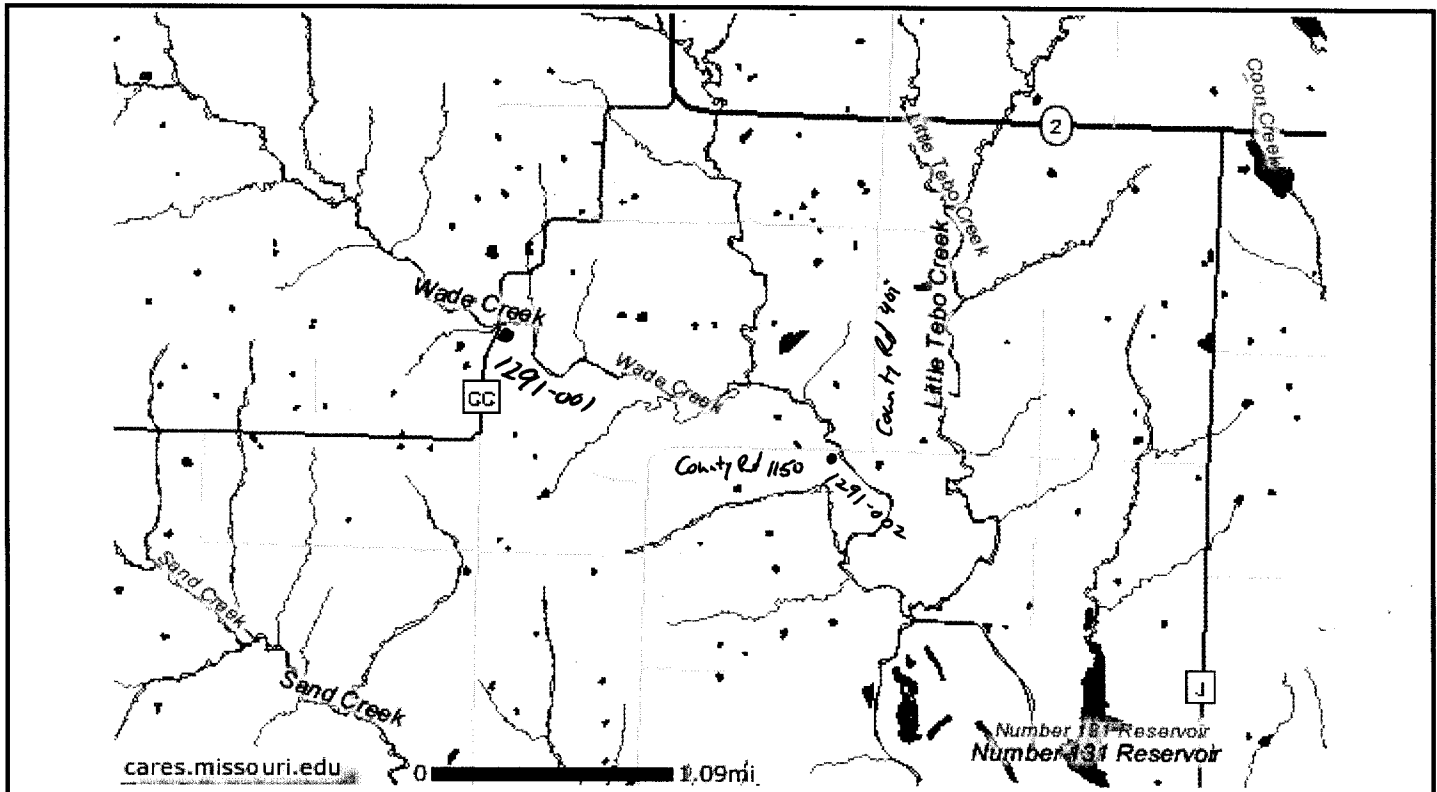
WATER PROTECTION PROGRAM

Water Body Name (from USGS 7.5' quad):	Wade Cr.
8-digit HUC:	10290108
Missouri WBID #:	1291
County:	Johnson / Henry
Upstream Legal Description:	Henry CC
Downstream Legal Description:	County Rd 1150 + County Rd 401
Upstream Coordinates:	N 38.53209 W 093.70968
Downstream Coordinates:	N 38.52380 W 093.68150
Discharger Facility Name(s):	Leetown WWTF
Discharger Permit Number(s):	MO 0116076
Number of Sites Evaluated:	2
Name of Surveyor and Telephone Number:	Aaron Bleisaw 816 - 622 - 7018
Organization:	MDNR
Position:	Env. Specialist

I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

Signed: Aaron Bleisaw Date: 7/5/05







1291 - Wade Cr.



Legend







- Water Quality Information System (WQIS)

Roads and Highways





-  Interstate
-  U.S. Highway
-  State Numbered Highway
-  State Lettered Highway
-  Principal Road
-  Road or Street

County Boundaries

1:24,000 Rivers and Streams

-  Perennial Stream/River
-  Intermittent Stream/River
-  Artificial Path (Approx. Centerline)
-  Undifferentiated Stream/River
-  Canal or Ditch
-  Other Hydrologic Feature








NHD Rivers and Streams

-  Perennial Stream/River
 -  Intermittent Stream/River
 -  Canal or Ditch
 -  Artificial Path (Approx. Centerline)
- (cont)







- Other Hydrologic Feature
Incorporated Areas

- ☐ City
☐ Town
☒ Village
☐ Census Designated Place
☐ Other

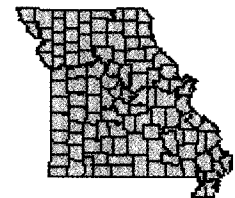
1:24,000 Water Bodies

-  Lake or Pond
 Lake or Pond (Intermittent)
 Reservoir
 Stream or River
 Swamp or Marsh
 Canal or Ditch
 Other Water Body

NHD Water Bodies

-  Lake or Pond
 Lake or Pond (Intermittent)
 Reservoir
 Stream or River
 Swamp or Marsh
 Canal or Ditch

Location Map



Map prepared by:
<http://cares.missouri.edu>, 6/27/2005.

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #: <u>1291-001</u>	Site Location Description: <u>Hwy CC Henry Co.</u>	
Site GPS Coordinates: <u>N38.53208 W093.10967</u>		
Date & Time: <u>7/5/05 10:00 AM</u>	Facility Name: <u>Leeton WATF</u>	
Personnel: <u>Aaron Bleibman</u>	Permit Number: <u>MO 0116076</u>	
Current Weather Conditions: <u>Clear 84°F</u>	Weather Conditions for Past 7 days: <u>Wet</u>	
Photo Ids: Upstream: <u>19-20</u>	Downstream: <u>21-22</u>	Other:

Uses Observed*:

<input type="checkbox"/> Swimming	<input type="checkbox"/> Skin diving	<input type="checkbox"/> SCUBA diving	<input type="checkbox"/> Tubing	<input type="checkbox"/> Water skiing
<input type="checkbox"/> Wind surfing	<input type="checkbox"/> Kayaking	<input type="checkbox"/> Boating	<input type="checkbox"/> Wading	<input type="checkbox"/> Rafting
<input type="checkbox"/> Hunting	<input type="checkbox"/> Trapping	<input type="checkbox"/> Fishing	<input checked="" type="checkbox"/> None of the above	<input type="checkbox"/> Other:
Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.) <u>bean fields, horses, small farms</u>				

Surrounding Conditions*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

<input type="checkbox"/> City/county parks	<input type="checkbox"/> Playgrounds	<input type="checkbox"/> MDC conservation lands	<input type="checkbox"/> Urban areas	<input type="checkbox"/> Campgrounds
<input type="checkbox"/> Boating accesses	<input type="checkbox"/> State parks	<input type="checkbox"/> National forests	<input type="checkbox"/> Nature trails	<input type="checkbox"/> Stairs/walkway
<input type="checkbox"/> No trespass sign	<input type="checkbox"/> Fence	<input checked="" type="checkbox"/> Steep slopes	<input type="checkbox"/> Other:	

Evidence of Human Use*:

<input checked="" type="checkbox"/> Roads	<input type="checkbox"/> Foot paths/prints	<input type="checkbox"/> Dock/platform	<input type="checkbox"/> Livestock Watering	<input type="checkbox"/> RV / ATV Tracks
<input type="checkbox"/> Rope swings	<input type="checkbox"/> Camping Sites	<input type="checkbox"/> Fire pit/ring	<input type="checkbox"/> NPDES Discharge	<input type="checkbox"/> Fishing Tackle
<input type="checkbox"/> Other:				

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

*Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

Field Data Sheets for Recreational Use Stream Surveys

Page Two – WBID # 1291-001: Data Sheet B - Site Characterization

Stream Morphology:

Upstream View Physical Dimensions:

<input type="checkbox"/> Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input type="checkbox"/> Run	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input checked="" type="checkbox"/> Pool	Width (ft): <u>24</u>	Length (ft): <u>75</u>	Avg. Depth (ft): <u>1.5 ft</u>	Max. Depth (ft): <u>2.5 ft</u>
<input checked="" type="checkbox"/> Flow	Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Estimated (ft ³ /sec): <u>0.1 ft³/sec</u>	

Downstream View Physical Dimensions:

<input checked="" type="checkbox"/> Riffle	Width (ft): <u>5</u>	Length (ft): <u>20</u>	Avg. Depth (ft): <u>.1 ft</u>	Max. Depth (ft): <u>.1 ft</u>
<input type="checkbox"/> Run	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input checked="" type="checkbox"/> Pool	Width (ft): <u>35</u>	Length (ft): <u>100</u>	Avg. Depth (ft): <u>2.5 ft</u>	Max. Depth (ft): <u>3.5 ft</u>
<input checked="" type="checkbox"/> Flow	Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Estimated (ft ³ /sec): <u>0.5 ft³/sec</u>	

Substrate*: (These values should add up to 100%.)

% Cobble	<u>60</u>	% Gravel	<u>30</u>	% Sand	<u>10</u>	% Silt	% Mud/Clay	% Bedrock
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Aquatic Vegetation*: (note amount of vegetation or algal growth at the assessment site)

<u>15% algae</u>

Water Characteristics*: (Mark all that apply.)

Odor:	<input type="checkbox"/> Sewage	<input type="checkbox"/> Musky	<input type="checkbox"/> Chemical	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Other:
Color:	<input checked="" type="checkbox"/> Clear	<input type="checkbox"/> Green	<input type="checkbox"/> Gray	<input type="checkbox"/> Milky	<input type="checkbox"/> Other:
Bottom Deposit:	<input type="checkbox"/> Sludge	<input type="checkbox"/> Solids	<input checked="" type="checkbox"/> Fine sediments	<input type="checkbox"/> None	<input type="checkbox"/> Other:
Surface Deposit:	<input type="checkbox"/> Oil	<input type="checkbox"/> Scum	<input type="checkbox"/> Foam	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Other:

Comments: Please attach additional comments (including information from interviews) to this form.

*This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that effect another use.

I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

Signed: Ron Bleit Date: 7/5/05

Organization: MDNR Position: Env. Specialist

1291_01_US #1



1291_01_US #2



1291_01_DS #1



1291_01_DS #2



Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #: <i>1291-002</i>	Site Location Description:	
Site GPS Coordinates: <i>N 38.52388 W 093.68152</i>	<i>County Rd NE 1150 + NE 401</i> <i>Henry Co.</i>	
Date & Time: <i>7/5/05 10:16 AM</i>	Facility Name: <i>Leeton WNTF</i>	
Personnel: <i>Ararou Ble-Sauer</i>	Permit Number: <i>MO 0116076</i>	
Current Weather Conditions: <i>Clear 86°F</i>	Weather Conditions for Past 7 days: <i>Wet</i>	
Photo Ids: Upstream: <i>23-24</i>	Downstream: <i>25-27</i>	Other:

Uses Observed*:

<input type="checkbox"/> Swimming	<input type="checkbox"/> Skin diving	<input type="checkbox"/> SCUBA diving	<input type="checkbox"/> Tubing	<input type="checkbox"/> Water skiing
<input type="checkbox"/> Wind surfing	<input type="checkbox"/> Kayaking	<input type="checkbox"/> Boating	<input type="checkbox"/> Wading	<input type="checkbox"/> Rafting
<input type="checkbox"/> Hunting	<input type="checkbox"/> Trapping	<input type="checkbox"/> Fishing	<input checked="" type="checkbox"/> None of the above	<input type="checkbox"/> Other:

Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)

Bean fields, small farms
Dense Vegetation

Surrounding Conditions*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

<input type="checkbox"/> City/county parks	<input type="checkbox"/> Playgrounds	<input type="checkbox"/> MDC conservation lands	<input type="checkbox"/> Urban areas	<input type="checkbox"/> Campgrounds
<input type="checkbox"/> Boating accesses	<input type="checkbox"/> State parks	<input type="checkbox"/> National forests	<input type="checkbox"/> Nature trails	<input type="checkbox"/> Stairs/walkway
<input type="checkbox"/> No trespass sign	<input checked="" type="checkbox"/> Fence	<input checked="" type="checkbox"/> Steep slopes	<input type="checkbox"/> Other:	

Evidence of Human Use*:

<input checked="" type="checkbox"/> Roads	<input type="checkbox"/> Foot paths/prints	<input type="checkbox"/> Dock/platform	<input type="checkbox"/> Livestock Watering	<input type="checkbox"/> RV / ATV Tracks
<input type="checkbox"/> Rope swings	<input type="checkbox"/> Camping Sites	<input type="checkbox"/> Fire pit/ring	<input type="checkbox"/> NPDES Discharge	<input type="checkbox"/> Fishing Tackle
<input type="checkbox"/> Other:				

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

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Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

Page Two - WBID # 1291-002:

Stream Morphology:

Upstream View Physical Dimensions:

<input type="checkbox"/> Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input type="checkbox"/> Run	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input checked="" type="checkbox"/> Pool	Width (ft): <u>35</u>	Length (ft): <u>100</u>	Avg. Depth (ft): <u>1.5ft</u>	Max. Depth (ft): <u>2.5ft</u>
<input type="checkbox"/> Flow	Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Estimated (ft ³ /sec):	

Downstream View Physical Dimensions:

<input type="checkbox"/> Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input type="checkbox"/> Run	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input checked="" type="checkbox"/> Pool	Width (ft): <u>35</u>	Length (ft): <u>100</u>	Avg. Depth (ft): <u>1.5ft</u>	Max. Depth (ft): <u>2.6ft</u>
<input type="checkbox"/> Flow	Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Estimated (ft ³ /sec):	

Substrate*: (These values should add up to 100%.)

% Cobble	<u>20</u>	% Gravel	<u>20</u>	% Sand	<u>60</u>	% Silt	% Mud/Clay	% Bedrock
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Aquatic Vegetation*: (note amount of vegetation or algal growth at the assessment site)

None detected

Water Characteristics*: (Mark all that apply.)

Odor:	<input type="checkbox"/> Sewage	<input type="checkbox"/> Musky	<input type="checkbox"/> Chemical	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Other:
Color:	<input type="checkbox"/> Clear	<input type="checkbox"/> Green	<input type="checkbox"/> Gray	<input type="checkbox"/> Milky	<input checked="" type="checkbox"/> Other: <u>muddy</u>
Bottom Deposit:	<input type="checkbox"/> Sludge	<input type="checkbox"/> Solids	<input checked="" type="checkbox"/> Fine sediments	<input type="checkbox"/> None	<input type="checkbox"/> Other:
Surface Deposit:	<input checked="" type="checkbox"/> Oil	<input type="checkbox"/> Scum	<input type="checkbox"/> Foam	<input type="checkbox"/> None	<input type="checkbox"/> Other:

Comments: Please attach additional comments (including information from interviews) to this form.

*This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that effect another use.

I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

Signed: Ryan Blake Date: 7/5/05

Organization: MONK Position: Env. Specialist

1291_02_US #1



1291_02_US #2



1291_02_DS #1



1291_02_DS #2



1291_02_DS #3

